

ABSTRACT OF THE DISCLOSURE:

An apparatus and for enabling functionality of a component, wherein the apparatus includes an identification module having an identification number stored therein, and a hash function module in communication with the
5 identification module. A host is provided and is in communication with the identification module, and a guess register in communication with the host is provided. An encryption module is provided and is in communication with the guess register, and a public key module in communication with the encryption module is provided, wherein the public key module has a public key stored
10 therein. A comparator in communication with the encryption module and the hash function module is provided, such that the comparator may compare a first bit string to a second bit string to generate a function enable output for the component.